10666835 Examiner Art Unit

 √ Rejected
 — (Through numeral) Cancelled
 N Non-Elected
 A Appeal

 = Allowed
 + Restricted
 I Interference
 O Objected

| Claim              | Date             |              |          |          |          |             |      | Cli          | aim      | Date      |          |          |          |              |              |          |           |     | Cla            | im           | Date     |               |               |              |          |          |          |          |          |
|--------------------|------------------|--------------|----------|----------|----------|-------------|------|--------------|----------|-----------|----------|----------|----------|--------------|--------------|----------|-----------|-----|----------------|--------------|----------|---------------|---------------|--------------|----------|----------|----------|----------|----------|
| <u>-</u>           |                  |              |          |          |          |             |      |              | <u>-</u> |           |          |          |          |              |              |          |           | -   | _              | <del>-</del> | - 1      |               |               | - 1          |          |          |          |          |          |
| Original           |                  |              | ]        |          |          |             |      | Final        | Original |           |          |          | ł        |              |              |          |           | 1   | Final          | Original     |          |               |               | - 1          | i        |          |          |          | - 1      |
| -   <del>š</del> . |                  |              |          |          |          |             |      | i i i        | Ö        |           |          |          |          |              |              |          |           |     | i <del>.</del> | Ö            |          | -             |               | 1            |          |          | -        |          | - 1      |
|                    |                  | 1            | <u> </u> |          |          |             | 4    |              |          | _         |          | _        | $\bot$   |              | _            |          | ;         | L   |                |              | _        | _             | _             | _            | _        | _        |          | 4        | _        |
| 4                  |                  | 1            | Ш        |          |          |             | 4    | <u> </u>     | 51       | $\dashv$  | _        | 4        | _ _      | -            | <u> </u>     | $\sqcup$ |           | L   |                | 101          | _        |               | _             |              |          | 1        | _        | _        | _        |
| 2                  | _ _ _            | -            |          | Ш        |          |             | 4    | ļ            | 52       | $\dashv$  | $\dashv$ | -        | _ _      |              |              |          |           | -   |                | 102          |          | $\dashv$      |               | _            |          |          | _        |          | _        |
| 3                  |                  | _            | $\vdash$ |          | $\dashv$ |             | 4    |              | 53       |           |          | -        | +        | +            |              |          | _         | -   |                | 103          | _        | -             |               | $\dashv$     |          |          | -        | -        |          |
| 4                  | ++               | ┼            | -        |          | $\dashv$ |             | 4    | -            | 54       |           |          | -        |          |              | $\vdash$     | $\vdash$ |           | ┝   |                | 104          |          |               | -             | -1           |          | -        |          |          |          |
| 5                  |                  | ╂            | 1        | -        | $\dashv$ |             | 4    |              | 55       | -         |          | - -      |          | +            |              | $\vdash$ | -         | -   |                | 105          | -        |               | $\dashv$      |              |          |          |          | $\dashv$ |          |
| 6 7                |                  | +            | $\vdash$ |          |          | -           | -  - | -            | 56       | -         | $\dashv$ | +        |          | +-           | $\vdash$     | -        | $\dashv$  | -   |                | 106<br>107   | $\dashv$ |               |               |              | $\dashv$ | $\dashv$ | -        | -        |          |
| 8                  | +                | ╁            |          | -        | $\dashv$ | +           | -    |              | 57<br>58 | $\dashv$  | -        |          |          | ┽            | $\vdash$     |          |           | ╌   | -              | 108          |          | -             |               | ┥            | $\dashv$ |          |          | $\dashv$ |          |
| 9                  |                  |              |          | H        | $\dashv$ |             | -    | -            | 59       | -         | -        | -        |          | +            | $\vdash$     |          |           | -   | $\dashv$       | 109          | -        |               | $\dashv$      |              | $\dashv$ |          | -        | -        | $\dashv$ |
| 10                 | <del>- - -</del> | +-           | -        | $\vdash$ | $\dashv$ |             | -    | -            | 60       | -         |          | +        | -        | ╁            | $\vdash$     |          |           | H   | -1             | 110          | -        | -             |               |              | -        | $\dashv$ | $\dashv$ | -        | $\dashv$ |
| 11                 | ++-              | +            | H        | $\vdash$ | $\dashv$ |             | ┨    | -            | 61       | $\dashv$  |          | -+-      |          | ╁            | $\vdash$     | -        | -         | ŀ   |                | 111          | $\dashv$ | $\rightarrow$ | ᅱ             |              |          | -        | $\dashv$ | $\dashv$ | $\dashv$ |
| 12                 | ++               | +            | $\vdash$ |          | $\dashv$ | - -         | -    | <u> </u>     | 62       | $\vdash$  | $\dashv$ | +        | +        | +            | $\vdash$     | $\vdash$ | $\dashv$  | ŀ   |                | 112          | $\dashv$ | -             |               | -            | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ |
| 13                 | + -              | +            | Н        | $\vdash$ | -        | +           | 1    |              | 63       |           | $\dashv$ | +        | +        | +            | 1-           | $\vdash$ | $\dashv$  | H   |                | 113          |          |               | $\dashv$      | $\dashv$     | -        |          | 一        | $\dashv$ | ᅱ        |
| 14                 | 77               | +-           | Н        | $\vdash$ |          | +           | 1    | $\vdash$     | 64       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | +-           | $\vdash$     | $\vdash$ | $\dashv$  | ŀ   |                | 114          | $\dashv$ |               | $\dashv$      | -            | -        | $\dashv$ | $\dashv$ | 寸        | -        |
| 15                 | <del>     </del> | 1-           |          | $\vdash$ | $\dashv$ |             | 1    |              | 65       |           | -+       | +        |          | +            | $\vdash$     | H        | $\dashv$  | h   |                | 115          | $\dashv$ | $\dashv$      | $\dashv$      |              | $\dashv$ |          | 寸        | -        | -        |
| 16                 | 11               | $\dagger$    | $\vdash$ | $\vdash$ | $\dashv$ | - -         | 1    | $\vdash$     | 66       | $\vdash$  | $\dashv$ | +        | - -      | +            |              | H        | $\dashv$  | ŀ   |                | 116          | $\neg$   | $\neg$        | $\neg$        |              | $\dashv$ | $\neg$   | $\dashv$ | 7        |          |
| 17                 | 11               | 1            | Н        | $\vdash$ | $\dashv$ | $\top$      | 1    |              | 67       |           | $\dashv$ | $\top$   | $\top$   | $\top$       |              | $\vdash$ | $\exists$ | ı   |                | 117          |          |               | $\dashv$      | $\dashv$     |          |          | 一        | _        | _        |
| 18                 |                  | $\top$       | $\Box$   | $\Box$   |          | $\neg$      | 1    |              | 68       | $\exists$ | 寸        | +        | ┪        | 1            | 1            |          | $\neg$    | ٦   |                | 118          | $\neg$   | $\neg$        | $\overline{}$ | -            |          | 一        | _        | 寸        |          |
| 19                 | ++               | 1            | $\vdash$ | $\Box$   |          | 一           | 1    |              | 69       |           | $\neg$   | +        | 1        | +            |              |          | _         | -   |                | 119          |          |               | _             | <del>-</del> |          | _        | _        | _;       | _        |
| 20                 | 1                | 1            | i        |          |          | 1           | 7    |              | 70       |           | T        | Ť        | $\top$   | $\top$       |              |          | $\neg$    | Ì   |                | 120          |          |               |               |              | $\neg$   | $\neg$   | $\neg$   | Ť        |          |
| 21                 |                  | T            | П        |          |          |             | 1    |              | 71       |           | 寸        | $\top$   | $\neg$   |              |              |          |           | r   |                | 121          |          |               |               |              | $\neg$   |          | $\neg$   |          |          |
| 22                 |                  | 1            |          |          |          |             | 1    |              | 72       |           |          |          | 7        | 1            |              |          |           | ٦   |                | 122          |          |               |               |              |          |          |          |          |          |
| 23                 |                  | 1            | П        |          |          |             | 1    |              | 73       |           |          | 7        | 1        | $\top$       |              |          |           | Γ   |                | 123          |          |               |               |              |          |          |          |          |          |
| 24                 |                  |              |          |          |          |             | ]    |              | 74       |           |          |          |          |              |              |          |           |     |                | 124          |          |               |               |              |          |          |          |          |          |
| 25                 |                  |              |          |          |          |             | ]    |              | 75       |           |          |          | $\perp$  |              |              |          |           |     |                | 125          |          |               |               |              |          |          |          |          |          |
| 26                 |                  |              |          |          |          |             |      |              | 76       |           |          | $\perp$  | $\perp$  |              |              |          |           |     |                | 126          |          |               | _             |              |          |          |          | _        |          |
| 27                 | $\bot \bot \bot$ | 1_           |          | _        | _        |             | 1    |              | 77       |           | _        | $\perp$  | ᆚ        | 1            | $oxed{oxed}$ | Ш        |           | Ļ   |                | 127          |          | $\dashv$      |               | Щ            |          | Ш        | _        | _        | _        |
| 28                 |                  | 1_           |          |          | _        |             | 1    | L            | 78       |           | $\perp$  | _        |          | $\bot$       |              | Ш        |           | L   |                | 128          |          |               |               | Ш            |          |          |          | _        |          |
| 29                 |                  | <del> </del> |          | $\dashv$ | _        |             | ⇃    |              | 79       |           | _        | 4        | 4        |              | <u> </u>     | $\sqcup$ | _         | -   |                | 129          |          | $\sqcup$      |               |              |          |          | $\dashv$ | _        |          |
| 30                 |                  | ↓            |          | $\dashv$ | $\dashv$ |             | 4    | <u></u>      | 80       | _         | 4        | 4        | 4        | <del> </del> | _            | Ш        | _         | Ļ   |                | 130          |          |               |               |              |          |          | -1       | _        |          |
| 31                 |                  | ╀-           |          | $\dashv$ | -        |             | -{   | <u> </u>     | 81       | 4         | _        | -        | _        | -            | _            |          |           | -   |                | 131          |          | _             |               |              |          |          |          | -        |          |
| 32                 |                  | -            |          | $\dashv$ | 4        | -           | 4    | -            | 82       | _         | -        | 4        |          | +            | -            | Н        |           | -   |                | 132          |          | Н             |               | Ш            |          | _        | $\dashv$ | $\dashv$ |          |
| 33                 |                  | ╁            | $\vdash$ | $\dashv$ | -        |             | -    | -            | 83       | $\dashv$  | 4        | -        | +        | 4-           | -            | $\vdash$ |           | -   |                | 133          |          |               |               |              |          | $\vdash$ | - 2      | $\dashv$ | _        |
| 34                 | ++-              | ┼            |          |          | $\dashv$ |             | ┨    | -            | 84       | $\vdash$  | $\dashv$ | +        | +        | +            | -            | $\vdash$ |           | -   |                | 134<br>135   |          | Н             |               | -            |          |          | -        |          | _        |
| 36                 |                  | ╀            | H        | $\dashv$ | $\dashv$ |             | -    | $\vdash$     | 85       | $\dashv$  | $\dashv$ | +        | -        | - -          | H            | $\vdash$ |           | ŀ   |                | 136          | -        | Н             |               |              |          |          | $\dashv$ | $\dashv$ | _        |
| 37                 | ++               | ╁            | Н        | -        | $\dashv$ |             | -    |              | 86<br>87 | $\dashv$  | -        |          |          | ╫            | ╁            |          | $\dashv$  | ╌   |                | 137          | $\vdash$ | Н             |               | -            |          |          | H        |          |          |
| 38                 | <del>-  -</del>  | ╁            | $\vdash$ | $\dashv$ |          | +           | -    | -            | 88       | $\vdash$  | -        | $\dashv$ | +        | +-           | 1            | $\vdash$ | $\dashv$  | - } |                | 138          |          | -             |               |              | $\vdash$ |          |          | $\dashv$ |          |
| 39                 | ++               | +            | $\vdash$ | -        | $\dashv$ | +-          | 1    | -            | 89       | $\dashv$  | $\vdash$ | +        | +        | +            | $\vdash$     |          | $\dashv$  | ŀ   |                | 139          | _        | $\vdash$      | _             |              | $\vdash$ | -        | $\vdash$ | $\dashv$ |          |
| 40                 | <del>- - -</del> | +            | $\vdash$ | $\vdash$ | -        |             | ┨    |              | 90       |           | -        | $\dashv$ | +        | +            | 1-           | $\vdash$ | $\dashv$  | ł   |                | 140          | $\vdash$ | Н             | <del> </del>  |              |          | $\vdash$ | $\vdash$ | $\dashv$ | _        |
| 41                 | ++               | +-           | $\vdash$ | $\vdash$ | $\dashv$ | <del></del> | 1    | <u> </u>     | 91       | $\vdash$  | -        | +        | +        | +            | +-           | $\vdash$ | $\dashv$  | +   |                | 141          | -        | H             | -             | $\vdash$     | Ι-       | $\vdash$ | $\vdash$ | $\neg$   | _        |
| 42                 |                  | T            | Н        | $\vdash$ | $\dashv$ | $\dashv$    | 1    | <del> </del> | 92       | Н         | $\dashv$ | +        | +        | +            | $\vdash$     |          | $\dashv$  | ŀ   |                | 142          | -        | Н             | $\vdash$      | $\vdash$     | Ι-       | $\vdash$ | H        | $\vdash$ |          |
| 43                 |                  | T            | П        | $\Box$   | +        | $\dashv$    | 1    |              | 93       | $\vdash$  | $\vdash$ | $\dashv$ | +        | +            | 1            | $\vdash$ | $\dashv$  | f   |                | 143          | Н        | П             |               | _            | Г        | 1        | $\Box$   |          |          |
| 44                 | <u> </u>         | †-           | $\sqcap$ | $\vdash$ | 1        |             | 1    |              | 94       | М         | $\dashv$ | $\dashv$ | $\top$   | 十            |              | П        | $\dashv$  | ı   |                | 144          | _        |               | _             | $I^-$        |          |          |          |          | Т        |
| 45                 |                  | 1            | П        |          | $\neg$   | _           | 1    |              | 95       | Н         | $\Box$   | $\dashv$ | $\top$   | 1.           |              | $\sqcap$ | $\neg$    | ı   |                | 145          | -        | П             |               | $I^-$        |          | Γ        |          |          |          |
| 46                 | $\top$           | $\top$       | П        | П        |          | $\top$      | 1    |              | 96       | П         |          | $\dashv$ | 十        | Ť            | 1            | П        | $\dashv$  | ı   |                | 146          |          | П             |               |              | Π        | _        | П        |          |          |
| 47                 |                  | 1            | П        | $\Box$   |          |             | 1    |              | 97       | М         | $\sqcap$ | $\dashv$ | $\top$   | T            |              | П        | ヿ         | f   |                | 147          |          |               | Г             | Г            | Γ        |          |          |          |          |
| 48                 |                  | 1            | П        | H        |          | _           | 1    |              | 98       | П         | $\sqcap$ | $\top$   | 1        | T            | 1            | П        | $\Box$    | ı   |                | 148          |          |               | Г             |              |          |          |          |          |          |
| 49                 |                  |              | П        |          |          |             | 1    |              | 99       | П         |          | $\dashv$ | $\top$   | T            | 1            |          |           | ı   |                | 149          |          |               |               |              | L        |          |          |          |          |
| 50                 |                  | 1            |          |          |          |             | 1    |              | 100      | П         | $\Box$   | $\neg$   | $\neg$   | 丁            |              |          |           | - [ |                | 150          | Г        |               |               | Г            |          | Г        |          |          | Ī        |